What's NEW at a glance

C 214

RECORDING MICROPHONE

AKG SOUNDS BETTER

AKG's PERCEPTION microphones have built a strong following among musicians and engineers, proving to be one of the best high-value **true condenser microphones** on the market today. Building on this reputation, AKG now introduces **four new PERCEPTION models** providing superb audio quality and stellar performance at very competitive prices.

The **entire PERCEPTION line** has been designed and engineered **by AKG in Vienna, Austria**. The microphones are manufactured in China under **strict quality control** by AKG. The result is **unique, innovative Austrian technology** and exceptional build quality at uniquely reasonable prices.

Perception 420

A/B, X/Y, and M/S stereo recording
Ambient recording
Classical music recording
Drums
Grand piano, woodwinds, brass
Percussions
Studio applications

- Back-to-back large-diaphragm multi-pattern transducer
- True condenser technology
- High sensitivity and 155 dB maximum SPL capability
- Switchable 20 dB preattenuation pad
- Switchable bass cut filter
- Legendary, pristine AKG sound quality
- Complete with spider-type shock mount and aluminium carrying case

Perception 220

Studio applications
Live sound
Vocals
Drums
Percussions
Guitar and bass amps
Acoustic instruments

- One-inch large-diaphragm, true condenser cardioid transducer
- Rugged all-metal body
- Roadworthy construction
- Switchable 20 dB preattenuation pad
- Switchable bass cut filter
- Legendary AKG sound quality
- Comes with spider-type shock mount and aluminium carrying case
- Designed and engineered by AKG in Vienna, Austria

Perception 170

Live sound
Studio applications
Acoustic instruments
Drums
Percussions
Ensemble recording
A/B and X/Y stereo miking

- Professional small-diaphragm, true condenser cardioid microphone
- Switchable 20 dB preattenuation pad
- Heavy-duty, roadworthy, all-metal construction
- AKG sound quality
- Designed and engineered by AKG in Vienna, Austria

Perception 120

Musical instruments
Live sound
Vocals
Podcasting
Home recording

- General-purpose cardioid recording microphone
- Extended frequency response
- Roadworthy construction
- Switchable 20 dB preattenuation pad
- Switchable bass cut filter
- Designed and engineered by AKG in Vienna, Austria

C 214

Professional studio recording
Lead vocals
Lead instruments
Ensemble recording
Professional stage miking

Integrated suspension to reduce mechanical noise
Rugged double mesh grill for unaffected acoustics and high RF immunity
One Inch Large Diaphragm with patented Edge-Terminated Back-Plate Technology provides freely-vibrating membrane for a smooth and wide frequency response and high transient detail
Switchable 160 Hz, 6 dB/octave low cut filter reduces rumble and wind noise effectively
Switchable 20 dB Attenuation Pad for use in close-miking – up to 156 dB SPL
Well designed circuitry provides high sensitivity, maximum SPL capability and minimum noise
All-metal die-cast body with shock- and scratch-resistant finish
Gold-plated XLR-type output connector for loss-free signals

- Legendary AKG Large Diaphragm Sound
- Outstanding Dynamic Range
- 165 dB SPL Capability
- Roadworthy Design
- Designed, engineered and built in Vienna, Austria

Engineered Excellence built in Vienna, Austria

AKG's legendary C 414 needs no introduction – it is a tool found in most recording studios and has been used on thousands of hit records; it's been on stage with artists of every musical genre and is also used by leading broadcast facilities the world over. The new C 214 is designed as a cost-effective alternative to the high-end, industry-leading C 414 family. This new microphone uses the same 1-inch dual-capsule as the legendary C 414 in a single-diaphragm, cardioid-only design. The result is a class-leading performance close to that of the famous C414 B-XLS.

The C 214 has AKG's legendary large-diaphragm sound and is capable of incredible 143 dB dynamic range for uncompressed, life-like transients.

The C 214's edge-terminated capsule delivers a highly-detailed, up-front sound that brings out every nuance of any voice or instrument. Thanks to its switchable 20-dB attenuation pad and low cut filter, the C 214 can be used in sound fields as high as 156 dB SPL – so it can be used on stage for close-up miking for even very loud applications like drum overheads, guitar amps or high-output brass.

The C 214 features an integrated capsule suspension that reduces mechanical noise and resonances for even greater sonic accuracy.

The double mesh, all-metal grille protects the capsule and ensures high RF immunity without affecting acoustical performance. The C 214 has a roadworthy construction quality with a modern scratch-resistant finish, a dent-resistant, metal grille and a gold-plated XLR-type output.

The C 214 comes complete with carrying case, windscreen, and spider-type shock mount.

D 7

Vocals
Recording
Live
PA/rental company

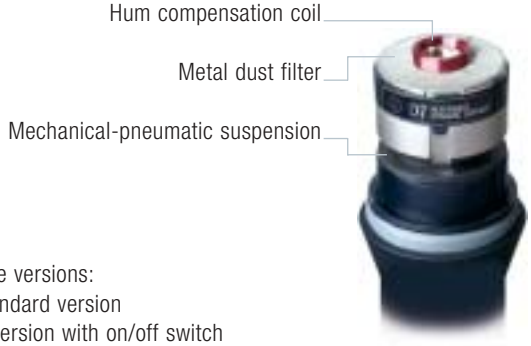
- Dynamic reference microphone
- Hum compensation coil
- Patented AKG Laminated Varimotion™ diaphragm
- New acoustical design of inner windscreen
- Precision metal dust filter

AKG`s new reference dynamic microphone delivers high end performance in every studio and on every stage. The new Laminated Varimotion™ diaphragm deep-drawing process allows the diaphragm itself to be fine-tuned with no extra tuning resonators.

This leads to a quantum leap in audio performance under each surrounding conditions and sound volume.

D 7 creates that subtle and opened sound in all frequency ranges condenser mics are famous for, but it also has the powerful resonance from a dynamic microphone.

The precision metal dust filter provides a consistent objection to the diaphragm. The original inner windscreen can be replaced with the extra windscreen supplied with the microphone.



Available versions:
D 7: standard version
D 7 S: version with on/off switch
D 7 WL 1: D 7 microphone capsule for WMS 4500

D 40

Instruments
Live sound

- Dynamic microphone designed for drums and percussions, wind instruments, and guitar amps
- Patented AKG Varimotion™ diaphragm
- Custom built capsule mounting
- Spring steel wire-mesh cap
- Rugged all-metal body withstands typical tough handling on stage

The D 40 with its solid all-metal body will stand up to the hardships of night-after-night on stage use “with a smile“.

The Varimotion™ diaphragm deep-drawing process allows the diaphragm itself to be fine-tuned with no need for tuning resonators, leading to a quantum leap in audio performance. The transducer is protected by a sturdy wire-mesh cap and takes extremely high sound pressure levels with ease. An integrated stand adapter and standard H 440 mounting bracket for snare drums, tom-toms, etc. make the D 40 a highly versatile tool for use on drums, percussions, wind instruments, and guitar amps.

K 99

Home recording
Musical instruments
Monitoring

- Semi-open, circumaural hi-fi stereo headphones
- Low weight for excellent comfort
- Skin compatible leatherette ear pads
- Excellent price/performance

The newly designed K 99 are semi-open stereo headphones which combine excellent sound and optimum price/performance.

Self-adjusting headband, soft leatherette circumaural earpads, and low weight ensure pleasant fit.

Large, high-performance
1.6-inch (40-mm) speakers provide a natural, uncolored sound.

K 77

Monitoring
Home recording
Musical instruments

- Closed-back circumaural headphones
- Excellent comfort

The newly designed K 77 are cost-efficient headphones for various applications.

These closed-back headphones are an all-round performer with solid bass and clean highs at a valuable price.

A self-adjusting headband, leatherette earpads, and gimbal suspension ensure excellent comfort.

K 44

Project studios
Home recording

- Closed back supra-aural headphones

The K 44 are cost-efficient headphones for many different applications.

These closed-back headphones are a true all-round performer at a valuable price.

K 702

Monitoring
Mastering
Mixing

- Flat wire voice coil
- Patented Varimotion™ two-layer diaphragm
- "3D Form" ear pads for perfect fit
- Individually tested and numbered

The K 702 are the new reference for open-back dynamic AKG headphones.They combine an extremely accurate response with yet unseen agility and spaciousness. This is achieved by using revolutionary flat-wire voice coils and a patented Varimotion™ two-layer diaphragm.

A totally open design and a high performance bi-wiring cable complete these reference headphones. Their comfortable, specially shaped "3D-form" ear pads and a padded genuine-leather headband ensure a perfect fit. They are individually tested and numbered.

K 702 – experience pure perfection.

K 271 MK II

Studio

- Professional circumaural hi-fi stereo studio headphones
- Self-adjusting headband for optimum fit
- Patented Varimotion™ speakers
- High noise attenuation
- For onstage and studio use
- Automute feature mutes headphones when they are taken off
- Leatherette and additional velvet ear pads
- Single-sided, detachable 3 m cable and additional 5 m coiled cable

The newly designed AKG legend, K 271 MK II combines the benefits of AKG's circumaural design for extreme comfort and a closed-back design for maximum isolation from ambient noise. Thanks to its XXL transducers, the K 271 MK II sounds clean, smooth and very rich.

The K 271 MK II is the perfect choice for any application where sonic bleed could cause problems such as broadcast work.

Another important feature of the K 271 MK II is the addition of a switch in the headband that mutes the audio just as soon as the headphones are taken off.

K 171 MK II

Studio

- Professional hi-fi stereo studio headphones
- Self-adjusting headband for optimum fit
- Patented Varimotion™ speakers
- High ambient noise attenuation
- For broadcast and DJ use
- Rugged construction for tough handling
- Leatherette ear pads and additional velvet ear pads
- Single-sided, detachable 3 m cable and additional 5 m coiled cable

The newly designed K 171 MK II combines the benefits of a closed-back design with the lightweight and comfort of supra-aural headphones.

The K 171 MK II is an excellent choice for DJ and broadcast applications where no sound can bleed from the headphones into live microphones.

The closed-back, loud and rugged design gives the K 171 MK II a different low-frequency character and maintains its comfort and flexibility.

K 240 MK II

Studio

- Professional hi-fi stereo studio headphones
- Semi-open, circumaural design
- Self-adjusting headband for optimum fit
- Patented Varimotion™ speakers
- Leatherette ear pads and velvet ear pads
- Single-sided, detachable 3 m cable and additional 5 m coiled cable

The K 240 MK II is a newly updated version of AKG's most successful headphones with Varimotion™ technology and XXL transducers. The K 240 MK II's semi-open ear cups have around-the-ear coupling to deliver solid bass, accurate mids and crystal-clear highs.

Thanks to its lower impedance and improved sensitivity, it can be used with low-output audio sources to deliver its incredible sound.

The detachable OFC cable has gold-plated plugs for optimum audio quality and exceptional ease of service.

K 141 MK II

Studio

- Professional hi-fi stereo studio headphones
- Semi-open supraaural earphones
- Self-adjusting headband for optimum fit
- Patented Varimotion™ speakers
- Undistorted sound even at high volume levels
- Leather ear pads and velvet ear pads
- Single-sided, detachable 3 m cable and additional 5 m coiled cable

The K 141 MK II is a newly updated version of the AKG legend with XXL transducers with Varimotion™ technology to deliver higher sensitivity, wide dynamic range and higher SPL, plus its lower impedance also allows it to be used with computers and other devices with low-power output.

The gimbalsuspended earcups and self-adjusting headband makes these comfortable to wear. The detachable OFC cables have gold-plated plugs for easy transportation and years of loss-free signal transfer.

WMS 40 PRO – The plug & play wireless solution

- **SR 40 FLEXX:** Three selectable frequencies, balanced XLR and unbalanced jack outputs, adjustable squelch, multichannel capability up to nine* channels operating simultaneously
- **SR 40 DUAL:** Two single-frequency receivers in a single case, balanced TRS output jacks, multichannel capability up to seven* channels operating simultaneously
- **SR 40 SINGLE:** Single fixed frequency, balanced TRS output jack, multichannel capability up to seven* channels operating simultaneously

Live sound
Houses of Worship
Conference
Sound/AV company, Gyms

SR 40 PRO

The new **WMS 40 PRO Series** is the optimum solution for small stages, clubs, places of worship, hotels, and gyms. With their plug and play concept and fixed frequencies, these systems set up quickly and are easy to use. The transmitters will operate for more than 30 hours off a single AA size battery.

The **WMS 40 PRO systems** are available in three versions to match any application and budget: free reception, adjustable transmitter input gain.

DUAL: Two receivers in a single unit for exceptionally cost efficient two-channel systems.

SINGLE: The easy-to-use single-channel wireless systems.
Also compatible with Microtools Series GB 40.

WMS 40 PRO Series products are available in several complete systems and can be used in many countries without paying any fees or obtaining permits. All **SR 40 PRO** versions provide an output level control for optimally matching the receiver's output level to the connected equipment and feature a rugged metal case for freestanding or rack mounted use.

		Vocal	Instrumental
FLEXX	**Maximum flexibility** Three selectable frequencies for interference-free reception, adjustable transmitter input gain • Three selectable frequencies • Diversity receiver • Adjustable squelch • Multichannel capability: up to nine* channels operating simultaneously • Rugged bodies **1 handheld transmitter or 1 bodypack transmitter, 1 receiver**	• **Vocal Set FLEXX** SR 40 FLEXX HT 40 FLEXX	• **Instrumental Set FLEXX** SR 40 FLEXX PT 40 FLEXX MKG L cable
DUAL	**2 in 1 receiver saves cost** Two receivers in a single unit for exceptionally cost efficient two-channel systems • Two single-frequency receivers in a single unit • Metal case • Miniature transmitters • Single-battery powering • Multichannel capability: up to seven* channels operating simultaneously **2 handheld transmitters or 2 bodypack transmitters, 1 receiver**	• **Vocal Set DUAL** SR 40 DUAL 2 x HT 40 PRO	• **Instrumental Set DUAL** SR 40 DUAL 2 x PT 40 PRO MKG L cable
SINGLE	**Easy to use.** The easy-to-use single-channel wireless systems. Unpack and get going. • Single, fixed frequency • Metal case • Miniature transmitters • Single-battery powering • Multichannel capability: multichannel capability up to seven* channels operating simultaneously **1 handheld transmitter or 1 bodypack transmitter, 1 receiver**	• **Vocal Set SINGLE** SR 40 SINGLE HT 40 PRO	• **Instrumental Set SINGLE** SR 40 SINGLE PT 40 PRO MKG L cable

* Depending on local frequency plans. For details, please contact your dealer or visit **www.akg.com/wms40pro**

HT 40 PRO

- Operates for more than 30 hours off a single AA size battery
- Ergonomic styling and anti-slip finish for confident and easy handling
- Built-in contacts for charging batteries inside the transmitter on optional CU 400 charger
- HT 40 FLEXX: three selectable frequencies
- HT 40 PRO: single fixed frequency

The **WMS 40 PRO** Series handheld transmitters feature exceptional ruggedness, anti-slip finish for ease of handling, and elegant styling. They are available in two versions: the **HT 40 FLEXX** is included in the FLEXX systems, the **HT 40 PRO** in the DUAL and SINGLE systems.

Operating for more than 30 hours off a single AA size battery, the transmitters save money due to their reduced battery replacement need. Rechargeable batteries can be charged inside the transmitter on the optional CU 400 charger. A noiseless on/mute/off switch and a status LED add to user-friendliness.

CU 400

PT 40 PRO

- Extremely compact, light bodypack transmitter
- Operates for more than 30 hours off a single AA size battery
- Built-in contacts for charging batteries inside the transmitter on optional CU 400 charger
- PT 40 FLEXX: three selectable frequencies
- PT 40 PRO: single fixed frequency

The **WMS 40 PRO** Series bodypack transmitters are rugged, extremely compact, and light. A mini XLR connector allows you to connect many AKG microphones or portable instruments.

PT 40 PRO works with all microphones from AKG **MicroMic** Series.

The **PT 40 PRO** bodypack transmitter is available in two versions: the **PT 40 FLEXX** is included in the FLEXX systems, the **PT 40 PRO** in the DUAL and SINGLE systems.

Operating for more than 30 hours off a single AA size battery, the transmitters save money due to their reduced battery replacement need. Rechargeable batteries can be charged inside the transmitter on the optional **CU 400** charger.

Sports	Presenter	Special
• **Sports Set FLEXX** SR 40 FLEXX PT 40 FLEXX C 555 L	• **Presenter Set FLEXX** SR 40 FLEXX PT 40 FLEXX CK 55 L	
	• **Presenter Set DUAL** SR 40 DUAL PT 40 PRO C 555 L, HT 40 PRO	• **Guitar/Vocal Set DUAL** SR 40 DUAL PT 40 PRO C 555 L, GB 40
• **Sports Set SINGLE** SR 40 SINGLE PT 40 PRO C 555 L	• **Presenter Set SINGLE** SR 40 SINGLE PT 40 PRO CK 55 L	• **Transformer Set SINGLE** SR 40 SINGLE SO 40 Snapon Transmitter

Please note that some of these products may not be available in your country. For details, please contact your local dealer or national AKG distributor.

WMS 4500 – Wireless system

SR 4500

with network capability for installed and live sound.
Maximum performance –
ultra-compact dimensions.

Theater, onstage miking
Conference
Houses of worship
Live sound
Sound/AV companies

- True diversity receiver with all-metal case
- Available in eight UHF bands 30 MHz wide each, with up to 1,200 selectable frequencies
- Using several frequency bands allows up to 70 channels to be operated simultaneously.
- Transmitter battery status monitoring and tone code squelch
- Auto Setup, Environment Scan, and Rehearsal functions for quick and easy setup
- Backlit, programmable color display and jog wheel with selectable warning signal for ease of use
- output for controlling external devices
- Integrated data interface for controlling and monitoring from a PC via System Architect™ HiQnet™

The SR 4500 true diversity receiver provides maximum ease of use and the widest range of functions in its class. Its accurate battery life readout is a previously unavailable, invaluable advantage in live sound applications. A complete line of accessories makes the SR 4500 your first choice for every application.

Auto Setup and Environment Scan functions automatically analyze the local RF environment, find usable frequency groups, and set frequencies. The optional HUB 4000 Q integrates the SR 4500 into a HiQnet™ system. With the PC control software System Architect™ setting up and monitoring highly complex systems is incredibly easy. A logic output allows remote control of external devices, e.g., an automatic microphone mixer.

Naturally, the SR 4500 operates in an extremely wide UHF band (30 MHz) and each frequency preset provides up to 19 intermodulation-free channels*). The maximum number of selectable frequencies is 1200. Using several frequency bands allows you to operate as many as 70 channels simultaneously.

A large, backlit color display and a jog wheel make the SR 4500 easy to use and a programmable LED ring indicates important system parameters at a glance. Housed in a half-rack, all-metal case, the SR 4500 is the most compact, reliable, and powerful UHF receiver in its price bracket.

*) The actual number of channels that can be used simultaneously depends on local frequency plans.

HT 4500

- Up to 50 mW RF output for maximum immunity to interference and dropouts
- Operates for up to 15 hours on AA size dry batteries, 12 hours on optional BP 4(battery pack with integrated Smart Batte Management System
- 30 MHz wide UHF band, up to 1200 selectable frequencies
- Choice of six interchangeable microphone elements
- Backlit display and jog switch for ease of use
- Charging contacts for easy battery charging on optional charger

D 7 WL 1

D 7 microphone capsule for HT 4500

For further details see D 7, page 5

PT 4500

- Bodypack transmitter with rugged aluminium body
- 30 MHz wide UHF band, up to 1200 selectable frequencies
- Backlit display and jog switch for ease of use
- Up to 50 mW RF output for maximum immunity to interference and dropouts
- Optional remote mute switch
- Operates for up to 15 hours on AA size dry batteries, 12 hours on optional BP 4000 battery pack with integrated Smart Battery Management System
- Charging contacts for easy battery charging on optional charger

Bodypack transmitter with rugged die-cast magnesium body. The 30 MHz wide UHF band provides up to 1200* selectable frequencies, and several preset frequency banks for various countries help you set up a multichannel system very quickly.

A backlit display makes it very easy to tune the PT 4500 to the same frequency as the SR 4500 receiver. A pilot tone system continuously sends transmitter data including MUTE switch position and remaining battery life to the receiver.

- Integrated charging contacts let you charge the optional BP 4000 battery pack without having to remove it from the transmitter.
- After only one hour, the battery pack will be fully charged and you can use the transmitter for 12 hours continuously. The 3-pin mini XLR input with adjustable gain accommodates both portable instruments and a variety of AKG microphones for every application. An optional RMS 4000 remote mute switch allows the user to mute the transmitter without having to fumble for the on-board mute switch.

The New **WMS** Accessories

Perfect for flexible solutions. For WMS 4500 and WMS 450.
Prepared for challenging wireless frequency environments.

PS 4000 W

Multi-Coupler

- Extended operating frequency range, 500 - 865 MHz
- Supplies antenna signal and DC power for four SR 4500 receivers
- Two expansion outputs allow signal cascading up to 3 additional PS 4000 Ws from one antenna feed

SRA 2 B/W

Active, wideband directional antenna

RA 4000 B/W

Omnidirectional wideband booster antenna

- Extended operating frequency range, 500 - 865 MHz
- Improved mechanics for indoor and outdoor use
- Constant gain for complete wideband operating range

IP 2

High quality, high comfort earphones

- High performance, full spectrum sound for professional in-ear-monitoring
- Total ambient isolation to block out stage noise
- Dark grey finish
- Individual fit with three different sleeves (S, M, L)
- Protective carrying case and bag included

These high quality earphones provide a wide-range sound with sharply contoured bass reproduction as well as excellent isolation to suppress high ambient noise levels encountered, e.g., on a loud concert stage.

An integrated sliding cable tie and the supplied soft-rubber ear-molds in three different sizes enable the earphones to adapt to every shape of ear.

The IP 2 earphones are included in the IVM 4 Sets and in the SPR 4 Sets. The IP 2 earphones connect to the SPR 4 bodypack receiver and are also available single packed.

The New **HUB** 4000 Q System Architect plug-in

HiQnet™
connect. configure. control.

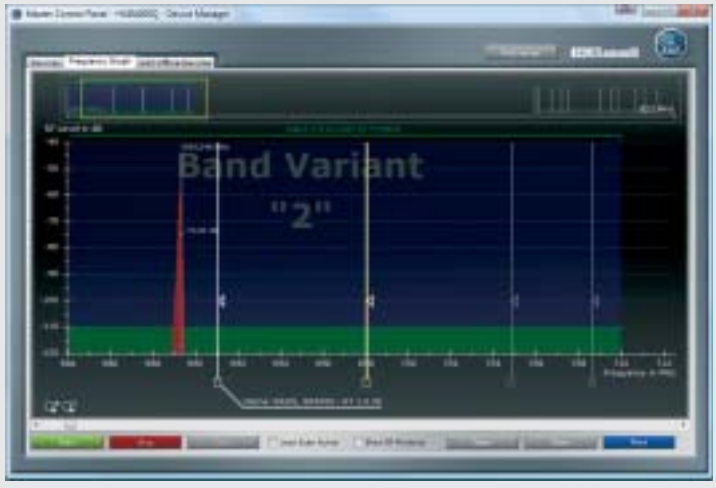
- Supports SR 4000 (WMS 4000), SR 4500 (WMS 4500) and SST 4 (IVM 4)
- All device parameters can be controlled and monitored
- Easy and fast setup of Frequency Management of wireless systems with Device Manager and Auto Setup
- Fast and accurate Environment Scan (7 seconds for 30 MHz)
- Easy to use graphic user interface
- Offline configuration of wireless system
- Convert to Custom Control Panel
- Customizing of user interface with Custom Control Panels
- Grouping of multiple HUB 4000 Qs for building large wireless systems
- Saving and Loading of all device parameters

HUB 4000 Q

- Ethernet interface for connecting up to eight AKG devices to a HiQnet™ network
- Full HiQnet™ protocol compatibility
- True plug & play device System Architect plug-in with 4 SST 4 and 4 SR 4000 Stripes

HUB 4000 Q

System Architect plug-in with 4 x SST 4 and 4 x SR 4000 Stripes



Frequency Graph shows Environment Scan data graphically

06/08 PROA 157/1

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